Walter Reed Army Institute of Research Lanar, David E. Hillier, Collette J. Lyon, Jeffrey A. Angov, Evelina Kumar, Sanjai Rogers, William Barbosa, Arnoldo

<120> Expression, Purification, and Uses of a Plasmodium falciparum Liver Stage Antigen 1 Polypeptide

<130> 003/285/SAP

<140> 10/706,435

<141> 2003-11-12

<150> 60/425,719

<151> 2002-11-12

<160> 28

<170> Microsoft Word XP

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<213> P. falciparum LSA-1

<223> LSA-1 major 17 amino acid repeat

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tcctacgaga agactaaaaa caacgaaaac aacaaattct
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cgacaaatcc ctctacgacg agcacattaa aaaatacaaa 1200
aacgacaagc aagtgaacaa ggaaaaggaa aaatttatca 1240
aatccctctt ccacatcttc gatggcgata acgaaattct 1280
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Lys Lys Tyr Ile Lys Gly Gln Asp Glu Asn
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Arq Gln Glu Asp Leu Glu Glu Lys Ala Ala
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Ala Lys Glu Lys Leu Gln Glu Gln Gln Arq
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Lys Asn Leu Glu Arg Lys Lys Glu His Gly
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Asp Val Leu Ala Glu Asp Leu Tyr Gly Arg
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Lys Phe Ile Lys Ser Leu Phe His Ile Phe
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Asp Gly Asp Asn Glu Ile Leu Gln Ile Val
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m x_3} is Asp or Ser; {
m x_4}
is Glu or Asp; x_5 is Leu or Arg; x_6 is Lys or Asn and x_7 is
Lys or Thr or Arg.
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920

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Leu Ala Lys Glu Lys Leu Gln Glu Arg Leu
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Gln Ile Ser Lys Tyr Glu Asp Glu Ile Ser
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Ala Glu Tyr Asp Asp Ser Leu Ile Asp Glu
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Glu Glu Asp Asp Glu Asp Leu Asp Glu Phe
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Leu Asp Asp Leu Asp Glu Gly Ile Glu Lys
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Ser Ser Glu Glu Leu Ser Glu Glu Lys Ile
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Lys Lys Gly Lys Lys Tyr Glu Lys Thr Lys
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Leu Tyr Asp Glu His Ile Lys Lys Tyr Lys
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Lys Phe Ile Lys Ser Leu Phe His Ile Phe
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